

FIG. 1A

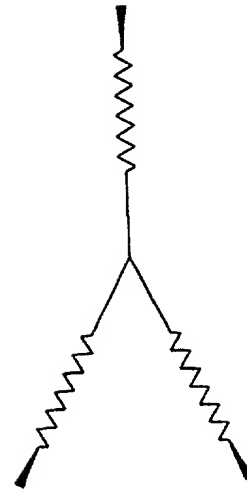


FIG. 1B

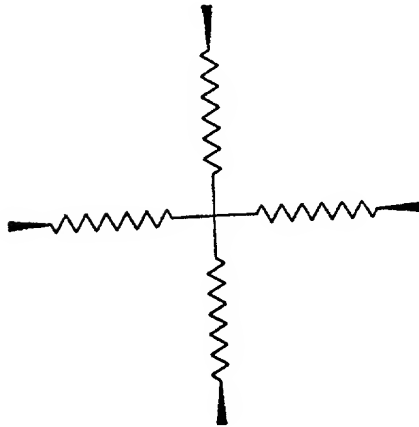


FIG. 1C

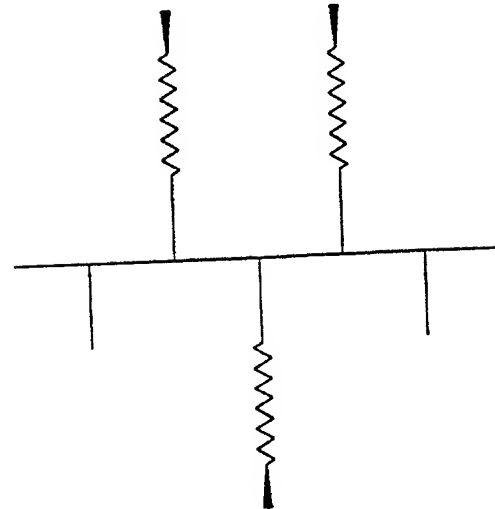


FIG. 1E

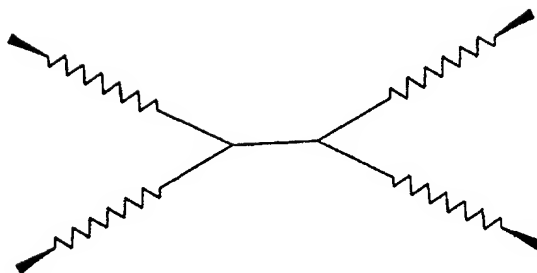


FIG. 1D

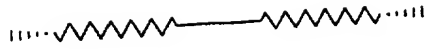


FIG. 2F

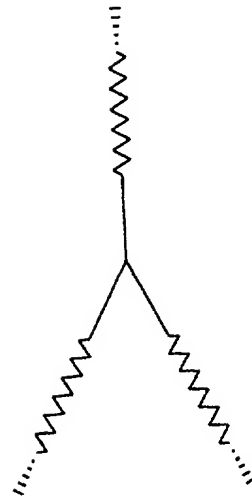


FIG. 2G

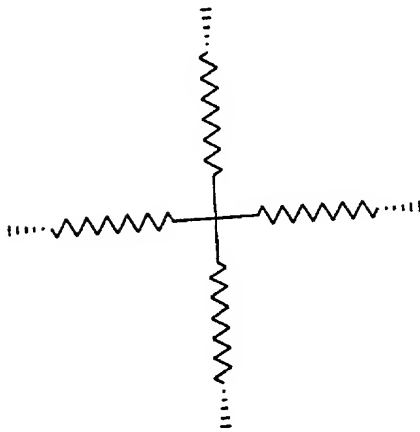


FIG. 2H

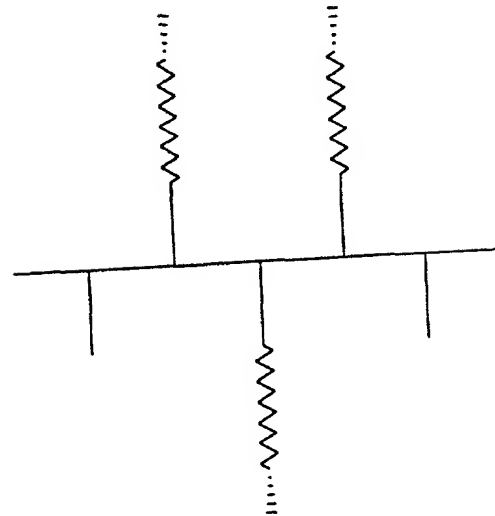


FIG. 2J

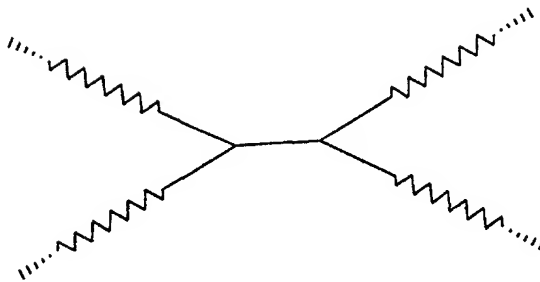


FIG. 2I



FIG. 3K

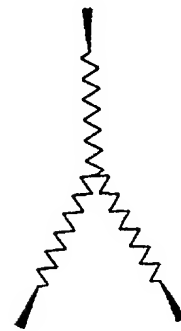


FIG. 3L

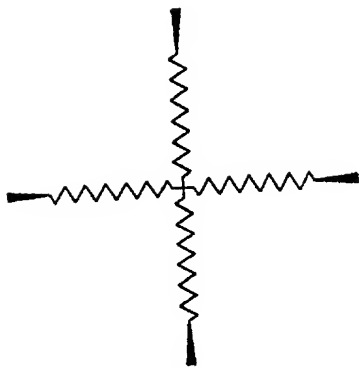


FIG. 3M

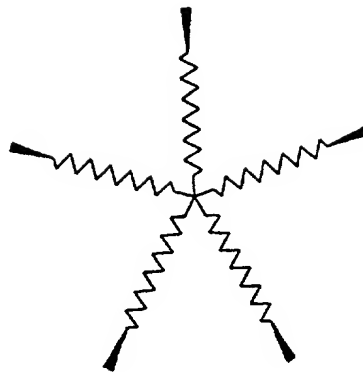


FIG. 3O

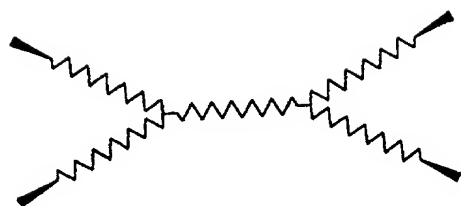


FIG. 3N



FIG. 4P

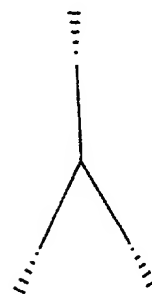


FIG. 4Q

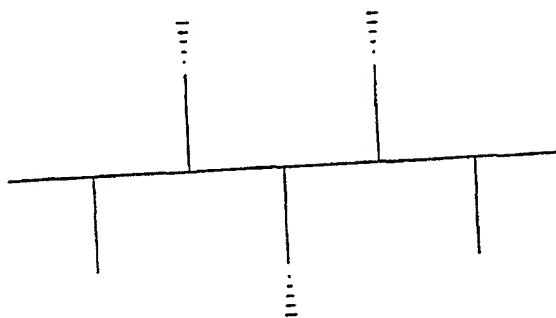


FIG. 4T

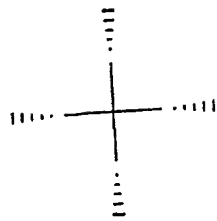


FIG. 4R

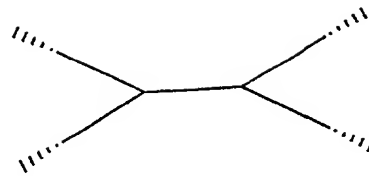


FIG. 4S



FIG. 5U

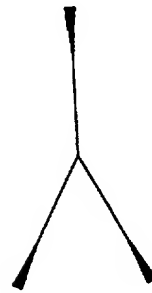


FIG. 5V

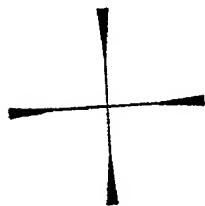


FIG. 5W

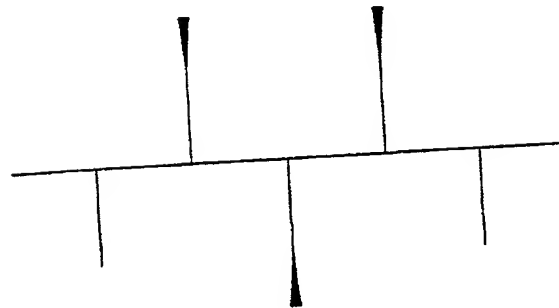


FIG. 5Y

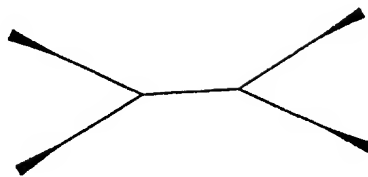


FIG. 5X

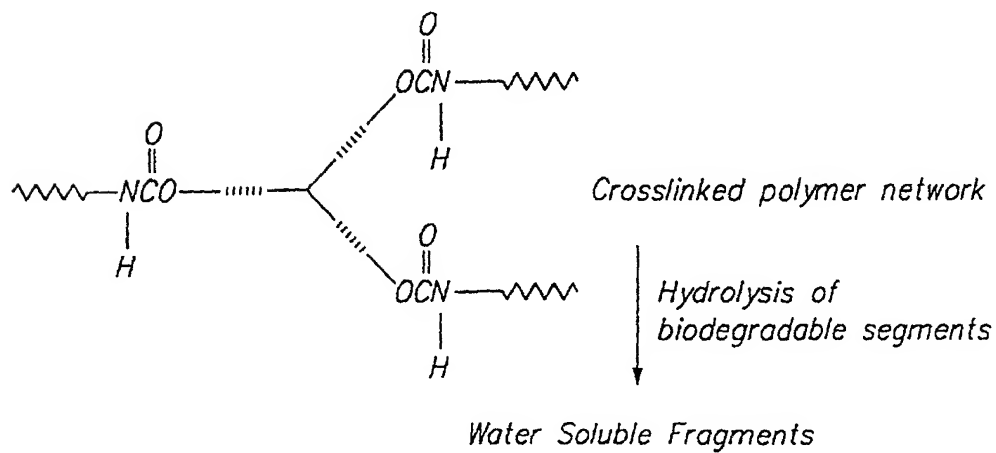
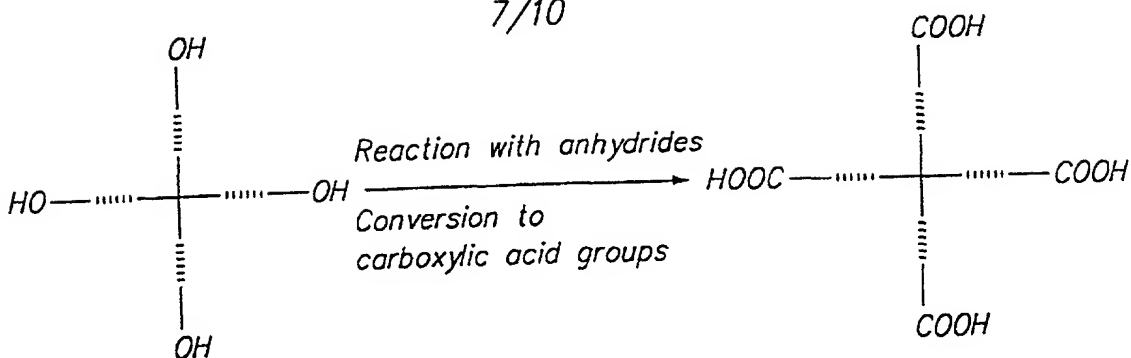
$$\begin{array}{c} \text{HO} \cdots \cdots \text{C} \begin{array}{l} \nearrow \text{OH} \\ \searrow \text{OH} \end{array} \quad \begin{array}{c} \text{O} \\ \parallel \\ \text{N} \text{---} \text{C} \text{---} \text{N} \\ \diagup \quad \diagdown \\ \text{C}_5\text{H}_4\text{N} \quad \text{C}_5\text{H}_4\text{N} \\ \text{CDI} \end{array} \\ \text{Dry THF, reflux} \end{array}$$


FIG. 6



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Hydroxy terminated 4 arm polymer
like PEO-caprolactone

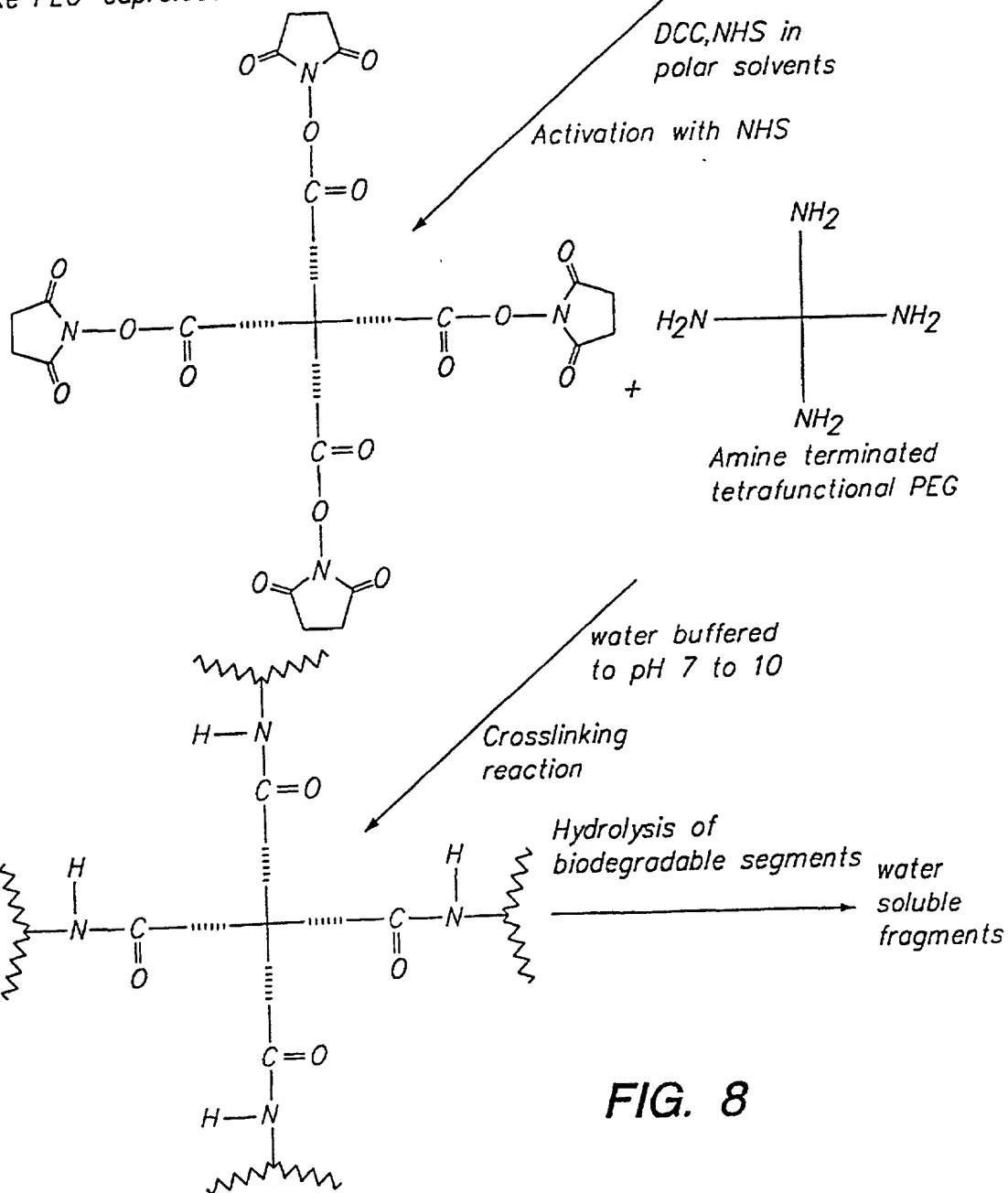


FIG. 8

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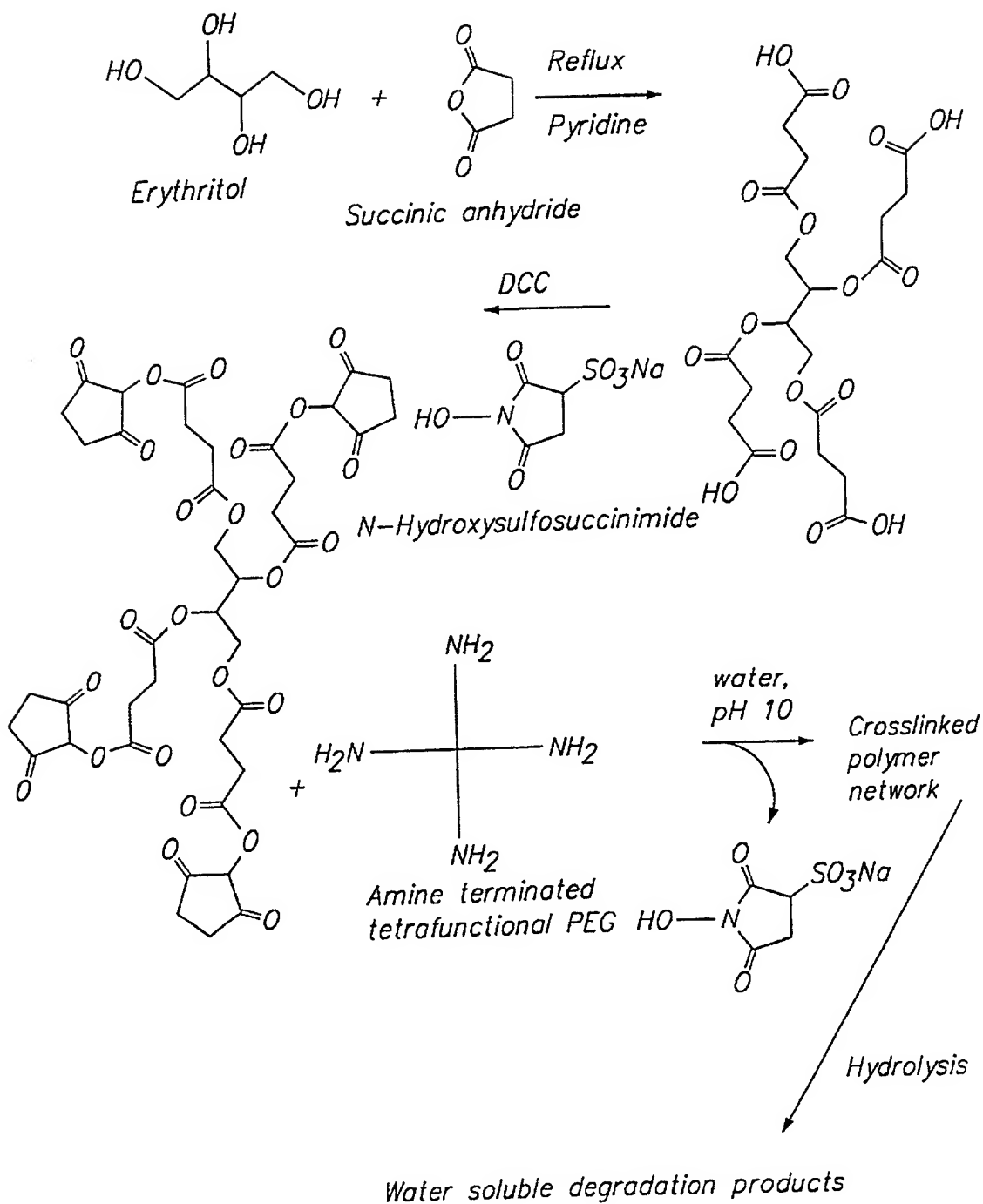


FIG. 10

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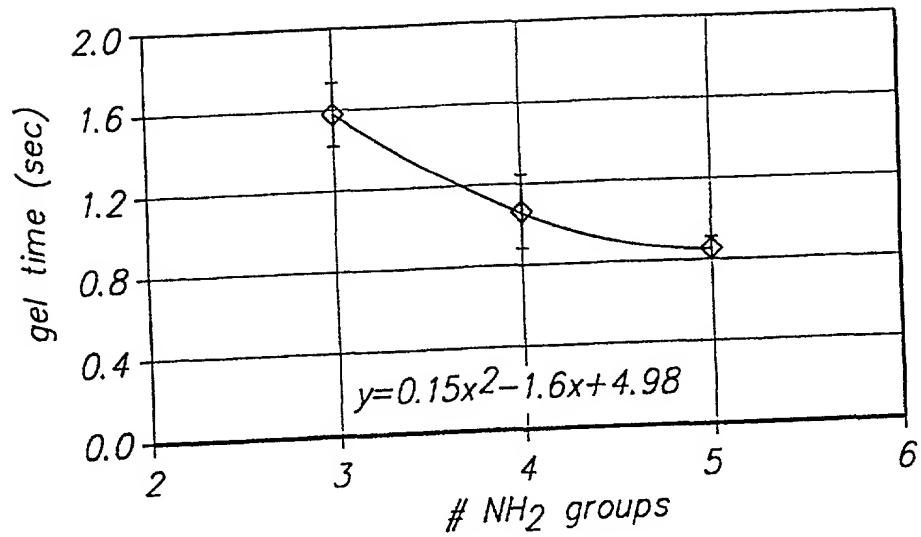


FIG. 11

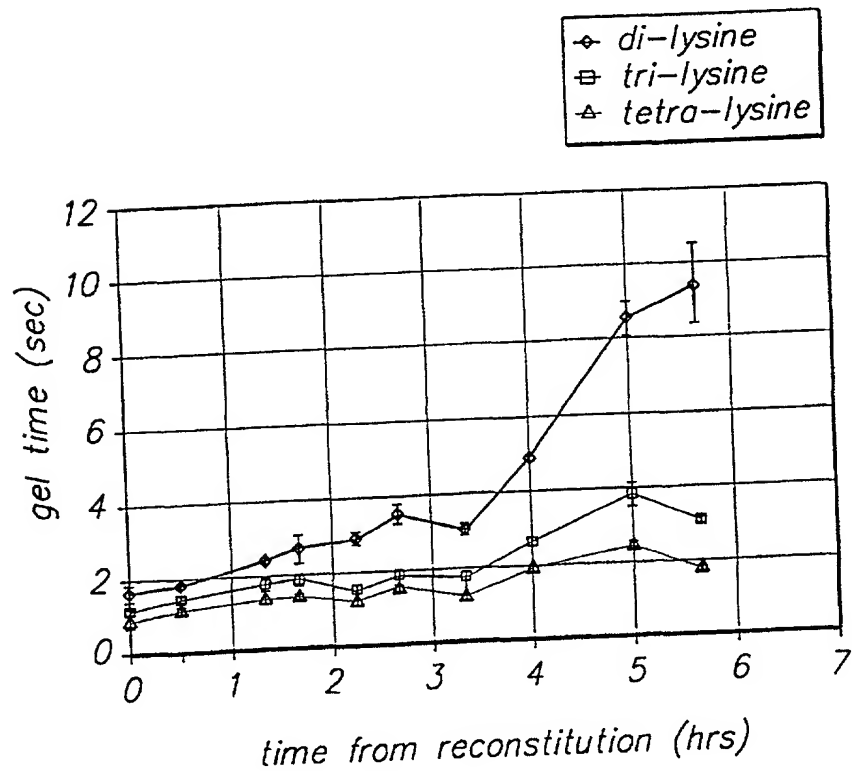


FIG. 12

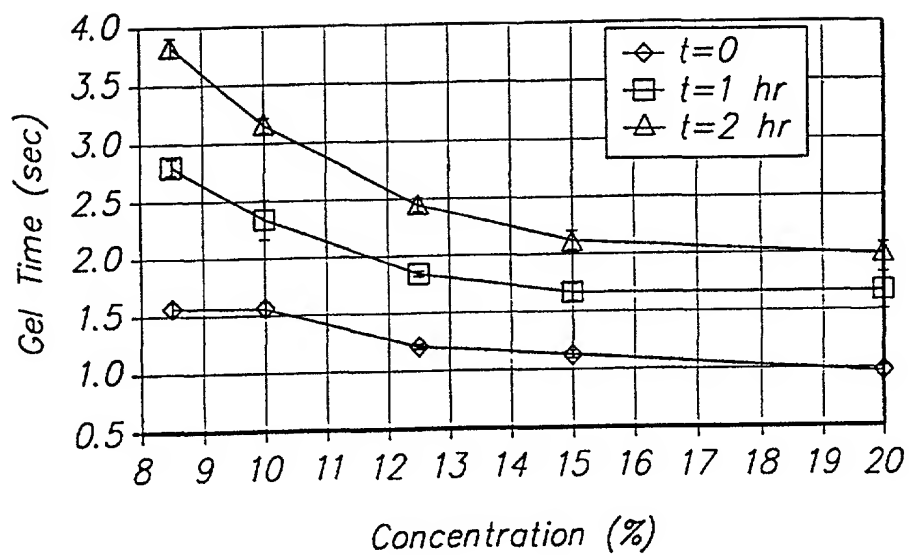


FIG. 13

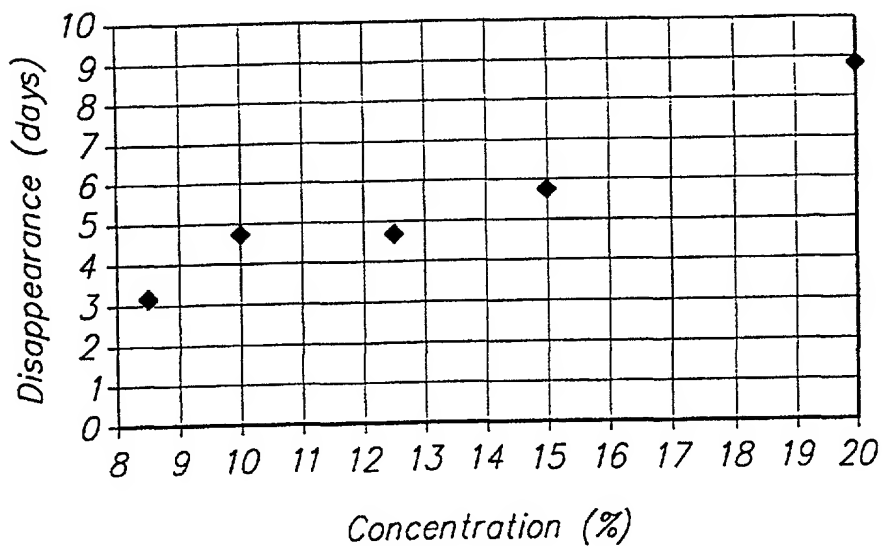


FIG. 14